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Subject: Re: 7Pi Build 2014

Posted by [Wayne Parham](#) on Mon, 06 Oct 2014 20:24:45 GMT

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Well, that's probably true. It's a simple circuit and you can easily troubleshoot it there. I just didn't want to see you get stuck, so the deal always stands.

One thing you might do is to put a single series capacitor inline with the compression driver instead of using the crossover. Run the woofer and midrange directly off the amp, and the tweeter having just a series cap, value in the 5-10uF range.

What you would see when measuring that is the midhorn would be about 6dB hotter than the bass and the tweeter would be another 3dB hotter than that. So this would let you see the tweeter output, and would help isolate that huge rolloff.

If you see this - and I expect you would - then you could trace the signal through the tweeter circuit. It's pretty simple, with the signal going first through the 6.8uF capacitor and then shunted by the 1.0mH coil, passing then through the 20uF capacitor and onto the R1/R2 padding network. My guess is either somewhere the signal is shorted, possibly by one of the leads under a coil where it is siliconed to the board, or one of the series components is misconnected. It pretty much has to be one of those things, because there just isn't that much in the signal path.

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